

Macro for tracking review sims

Tony Frawley
August 23, 2016

Macro location

The setup macro is:

G4_Svtx_maps+IT+tpc.C

It is located in:

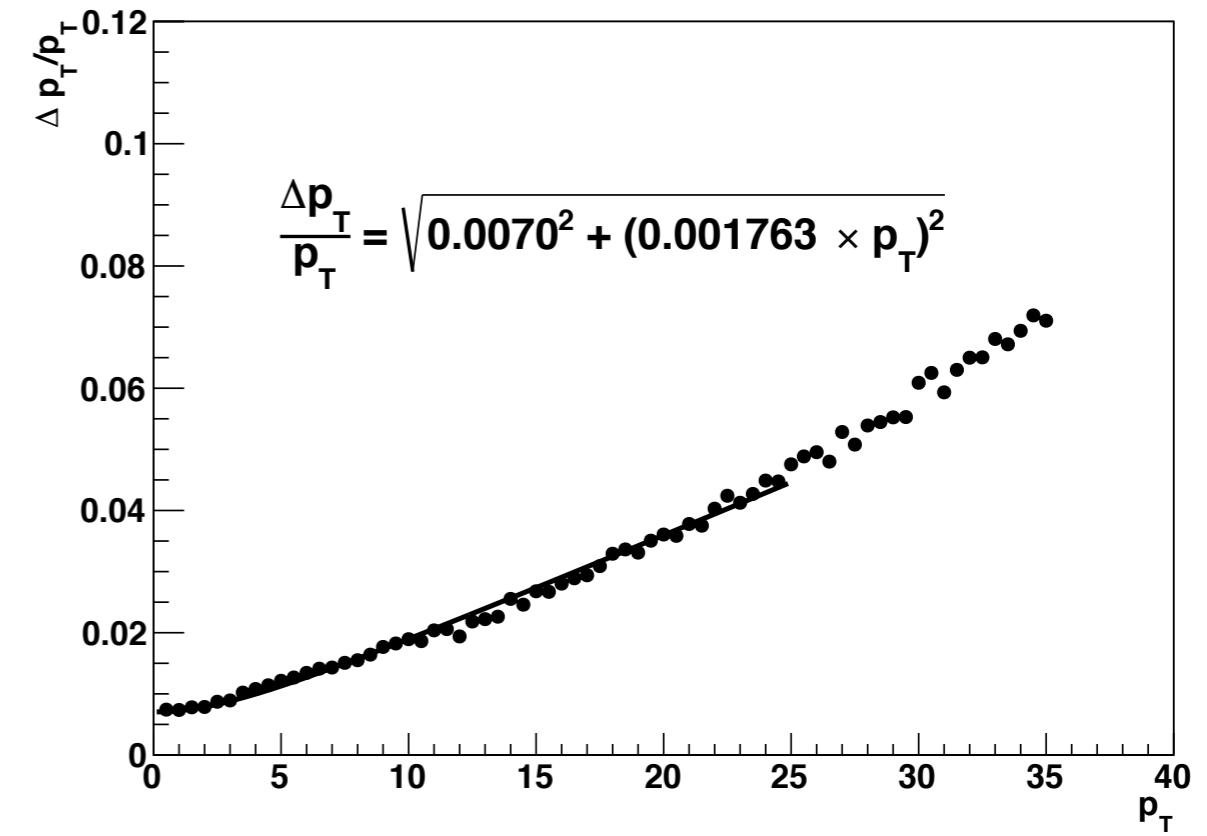
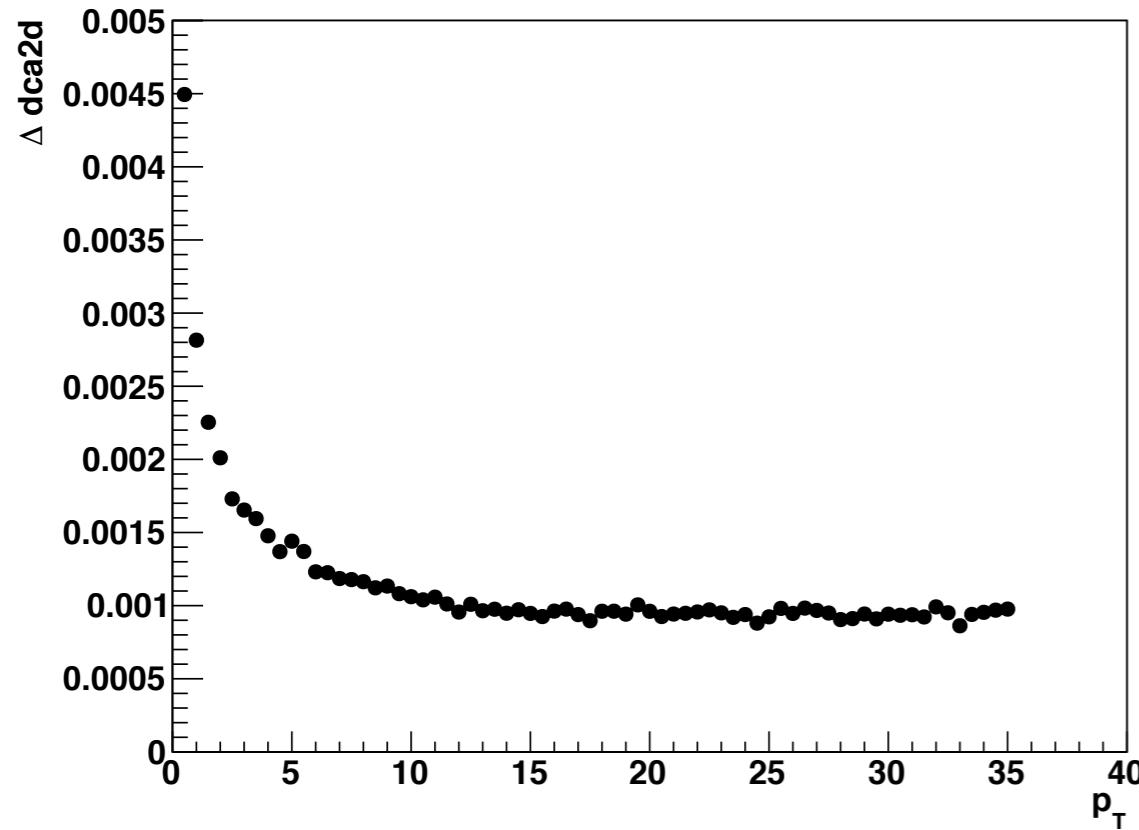
https://github.com/adfrawley/macros/tree/QTG_macros/macros/g4simulations

The number of layers of each subsystem can be varied by changing:

```
const int n_ib_layer = 3; // number of maps inner barrel layers  
const int n_intt_layer = 4; // number of int. tracker layers  
const int n_gas_layer = 60; // number of TPC layers
```

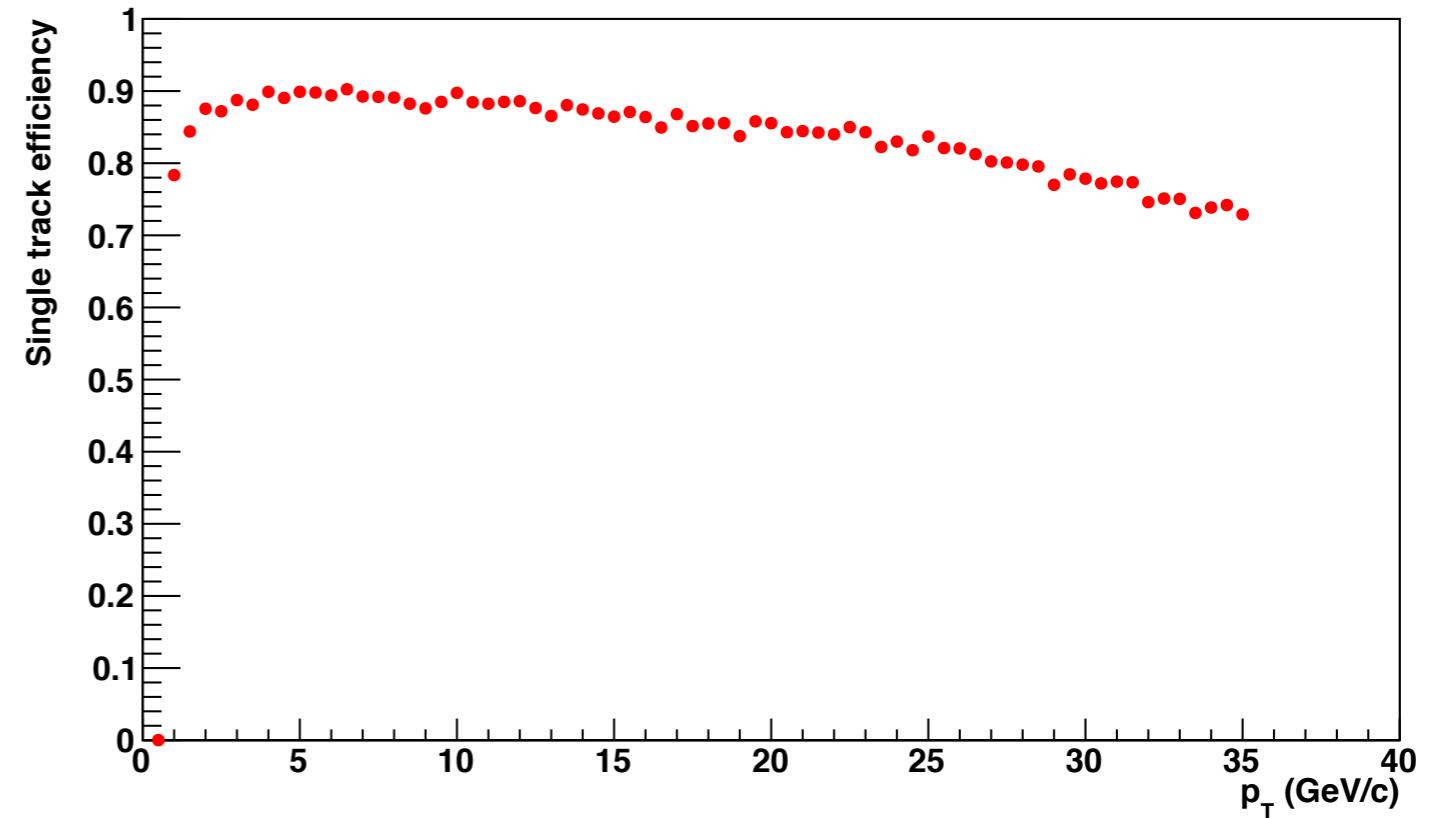
If you set “n_intt_layer = 0” you get maps + TPC only.

Maps(3)+TPC(60) performance plots

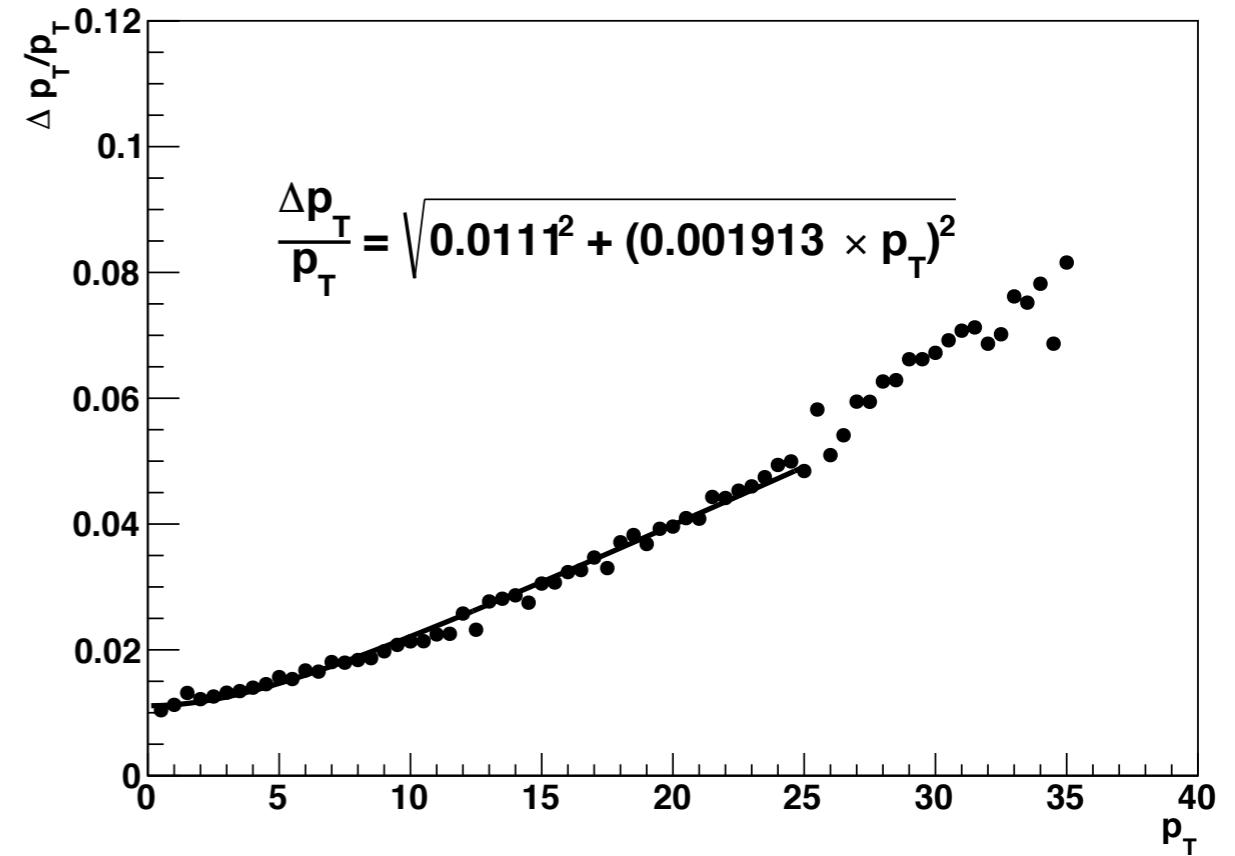
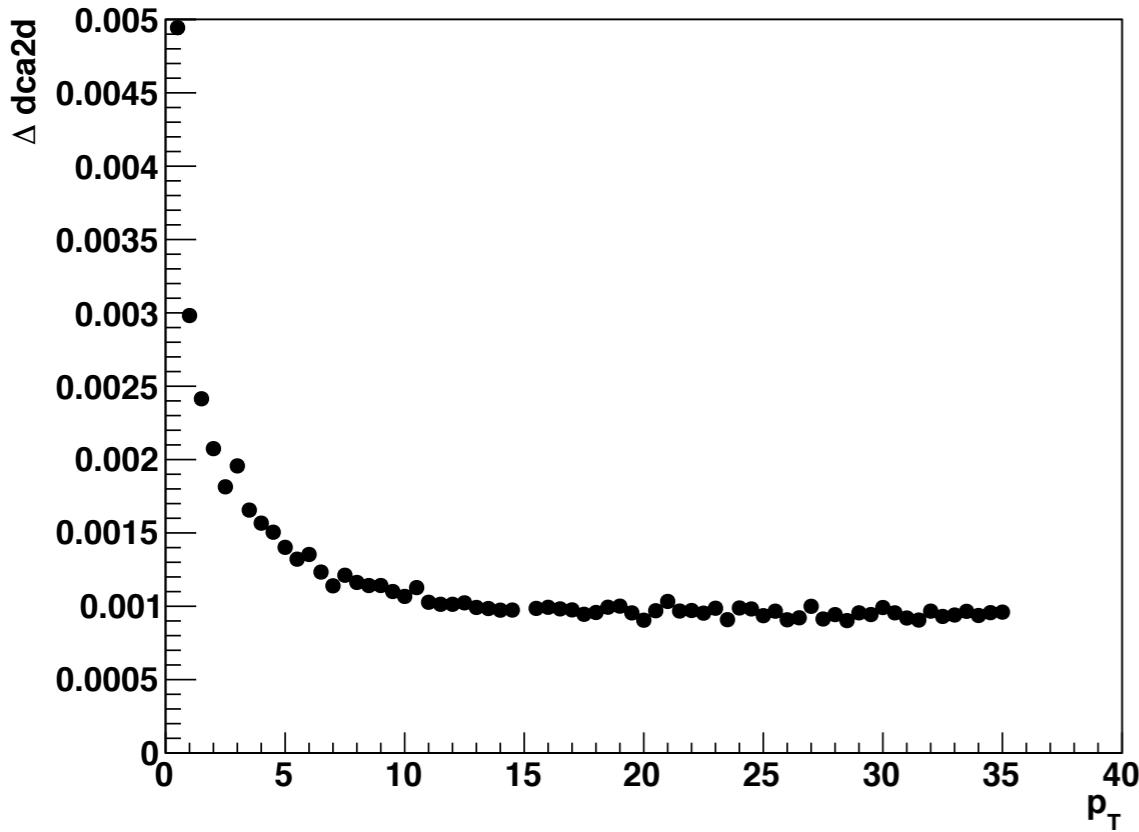


embedded pions only
central **Hijing**
+ 100 pions/event

quality < 1.0
 $\Delta p_T < 4\sigma$



Maps(3)+TPC(60) performance plots



embedded pions only
central Hijing
+ 100 pions/event

quality < 1.0
 $\Delta p_T < 4\sigma$

